

FIG. 1

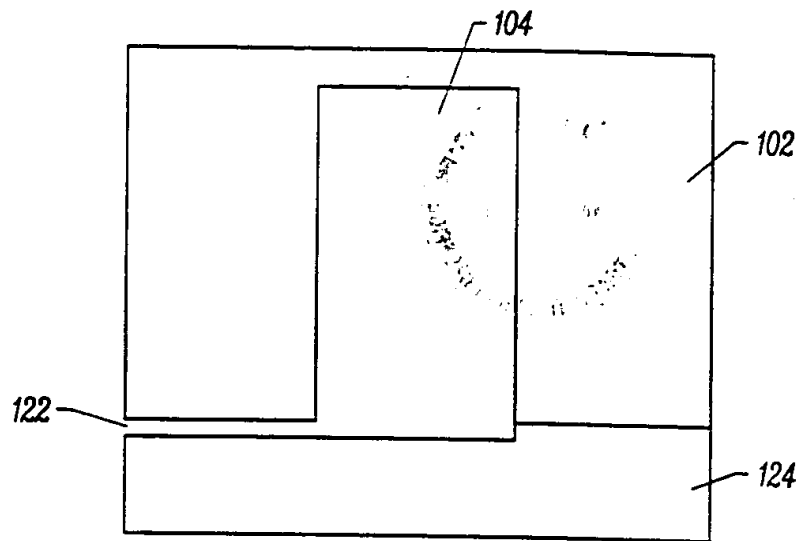


FIG. 2A

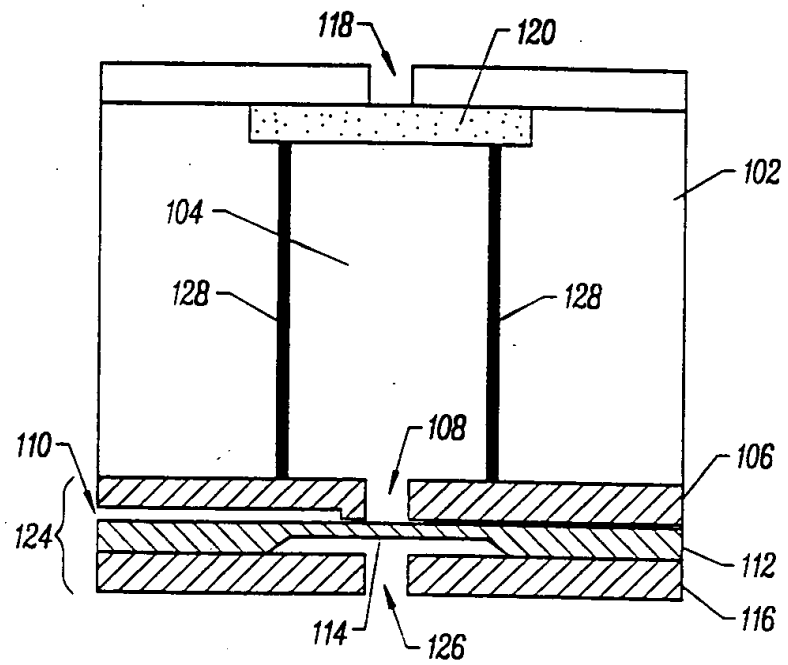


FIG. 2B

09764530.050404

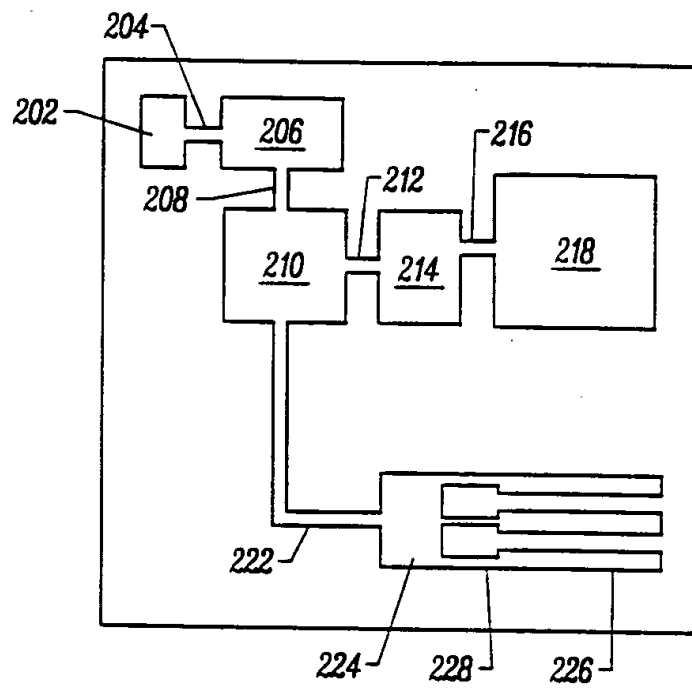


FIG. 3

FIG. 4A

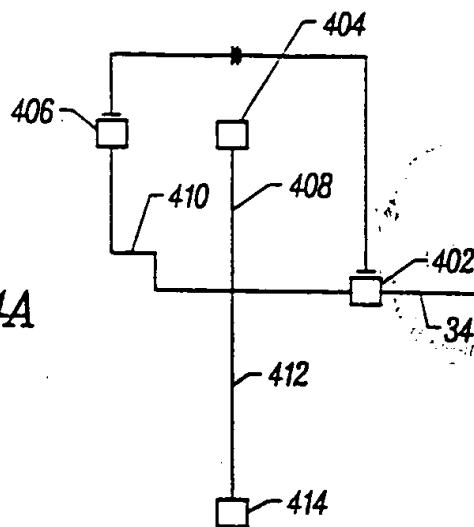


FIG. 4B

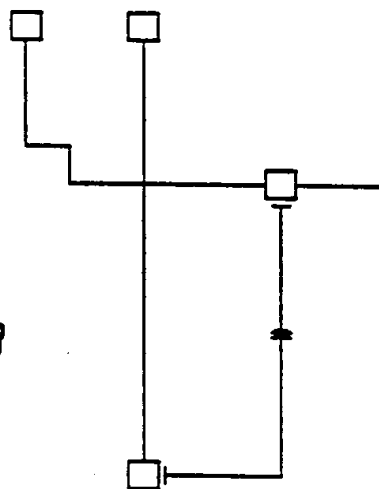
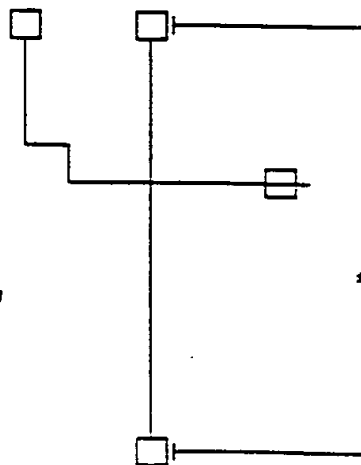


FIG. 4C



0975459-050404

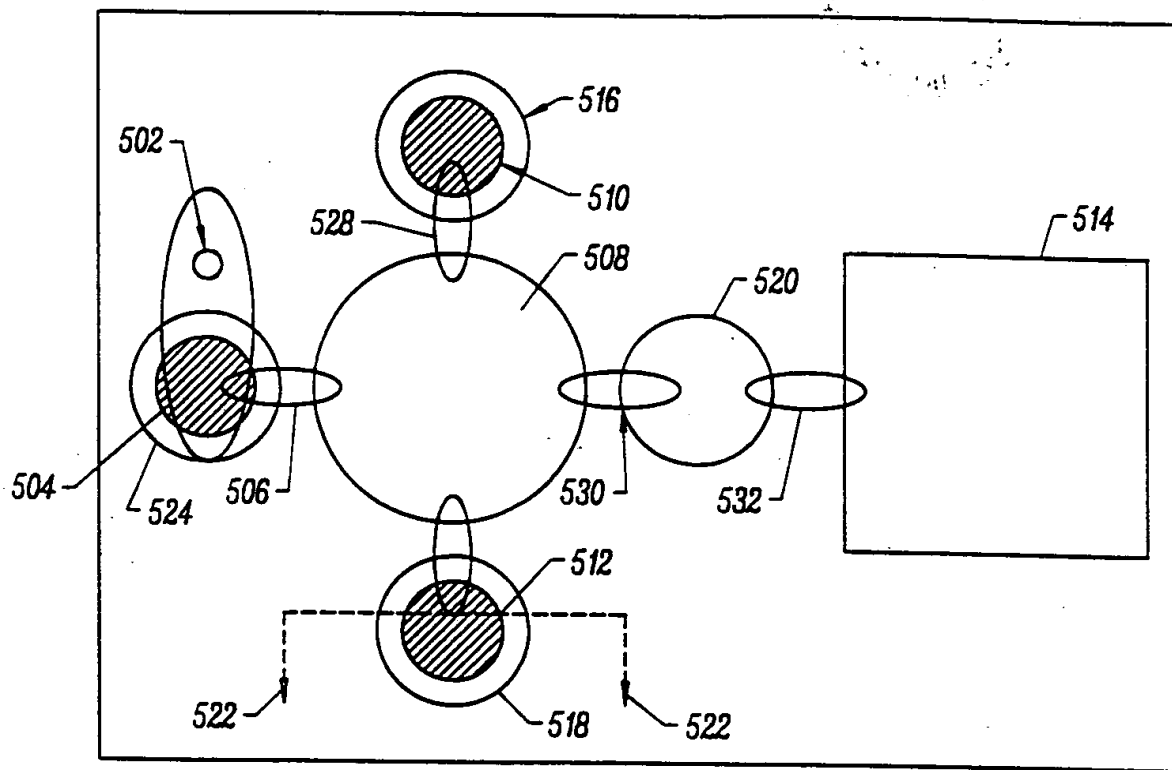


FIG. 5A

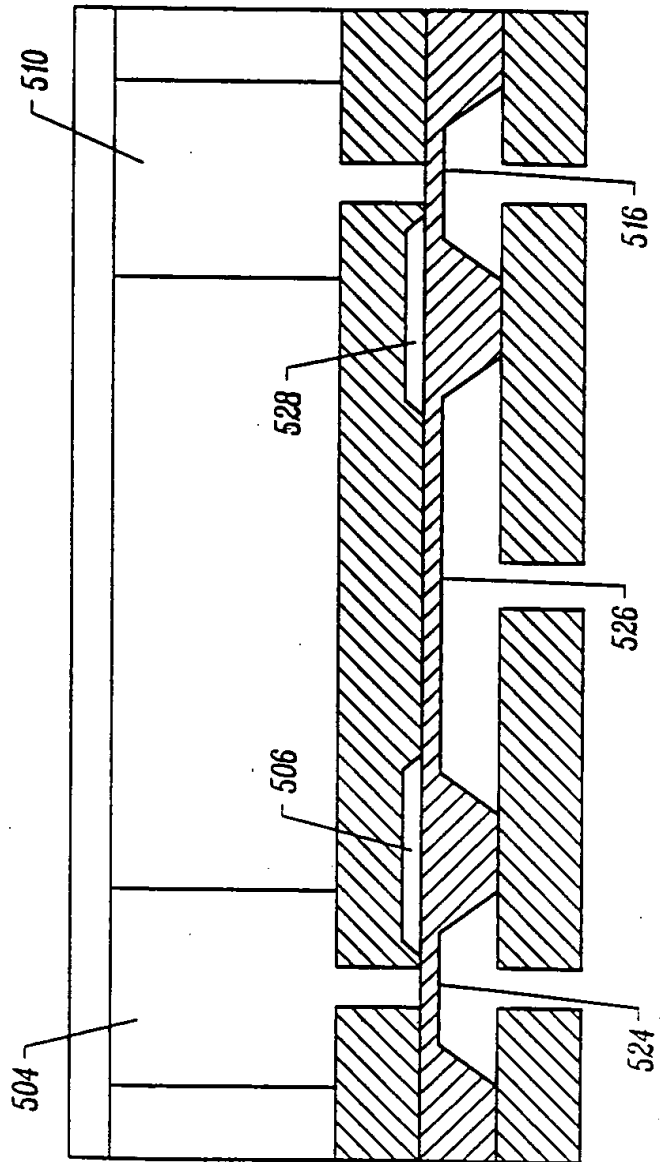


FIG. 5B

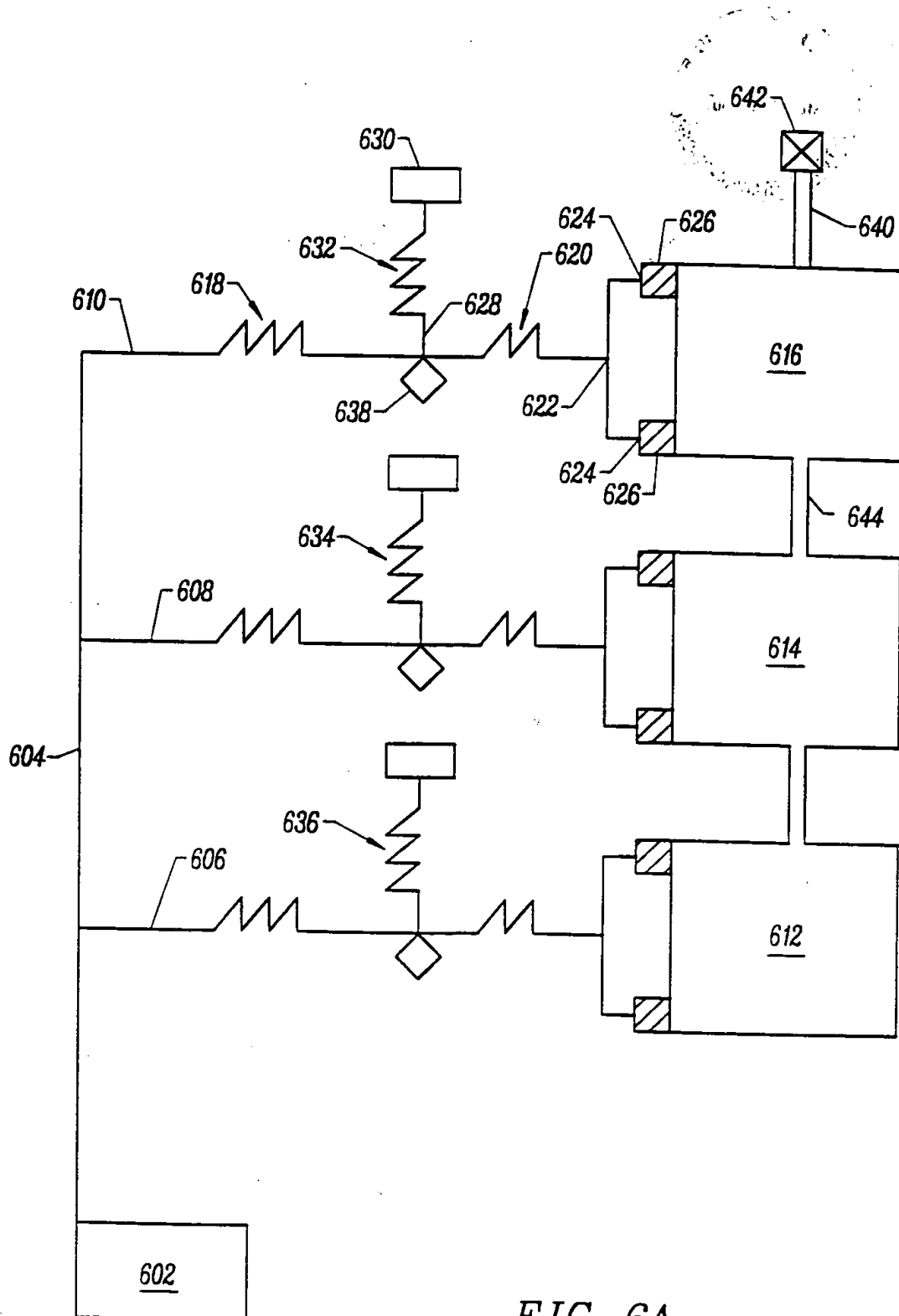


FIG. 6A

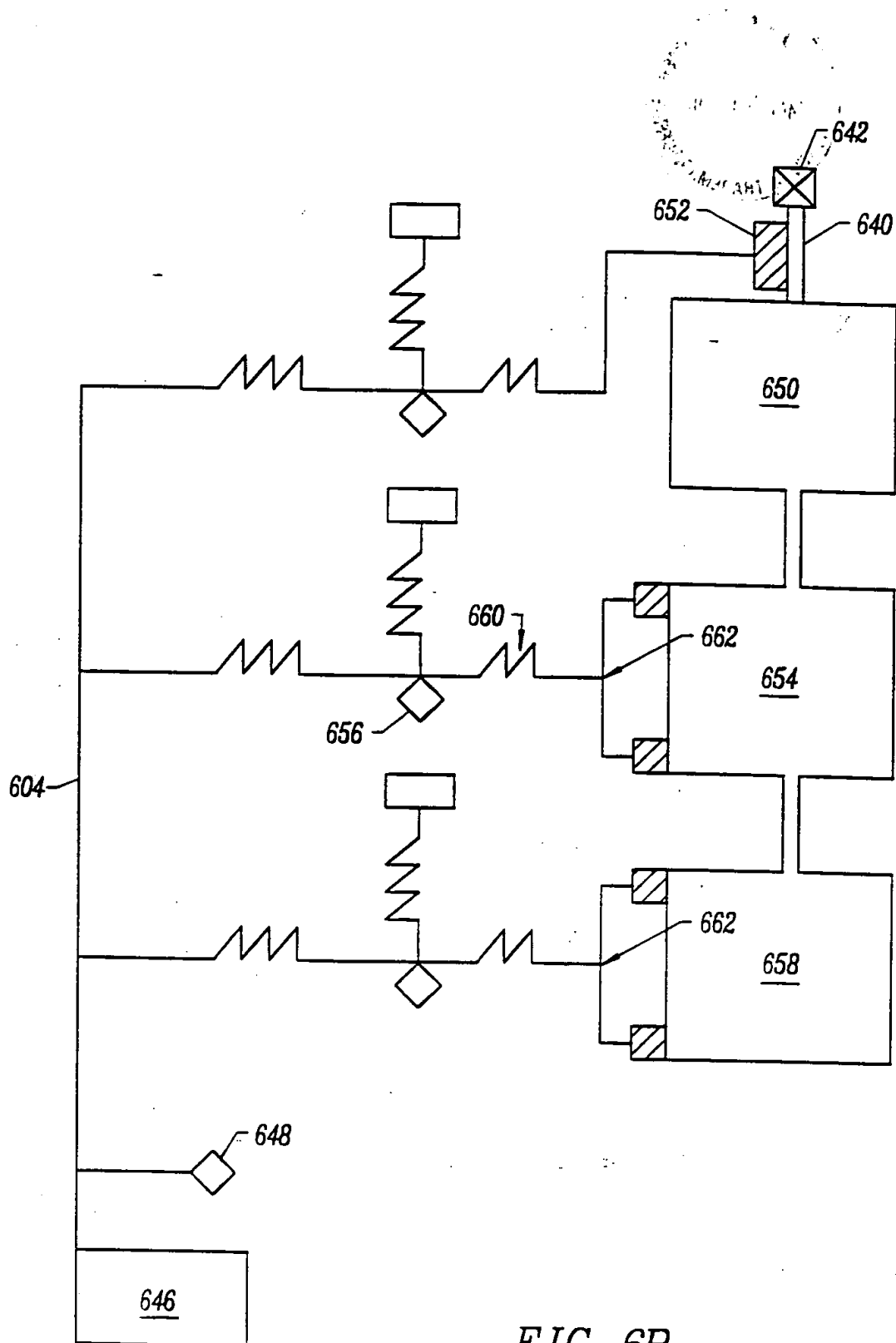


FIG. 6B

TOP SECRET 85515260



Pressure Distribution Among Control Nodes

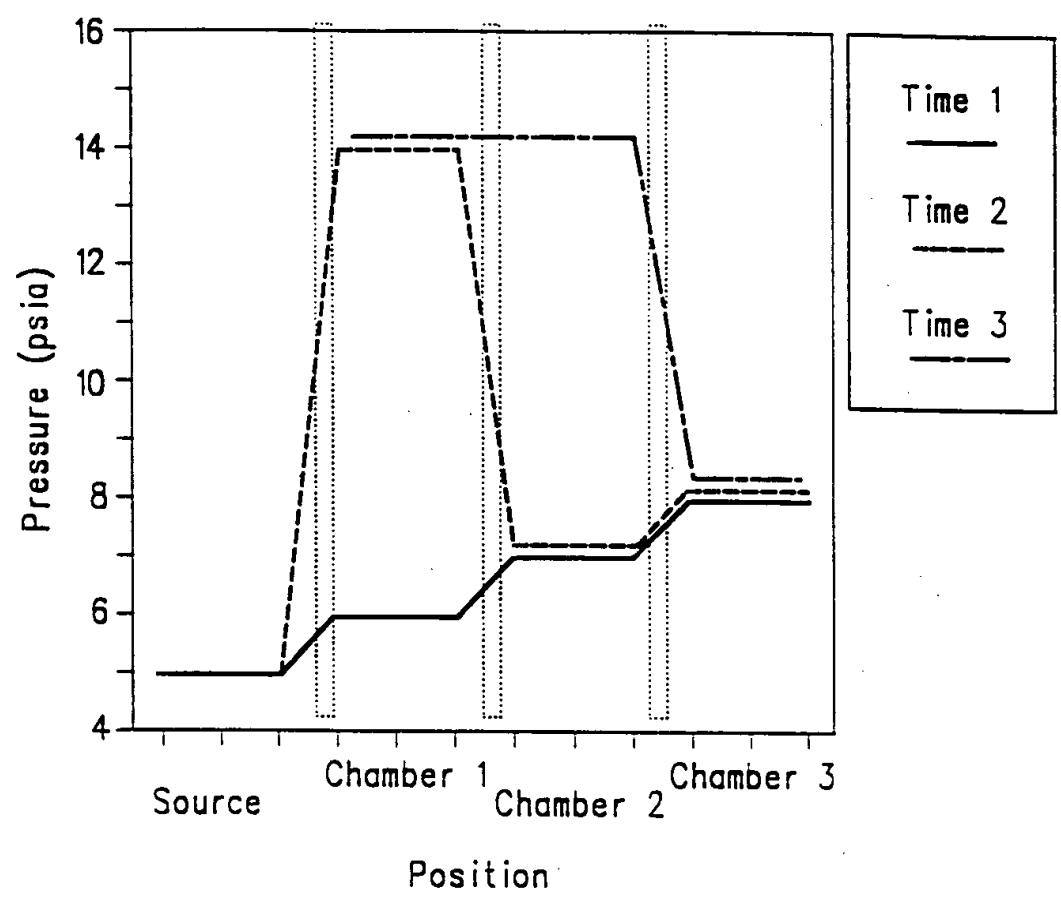


FIG. 6C

FIG. 7A

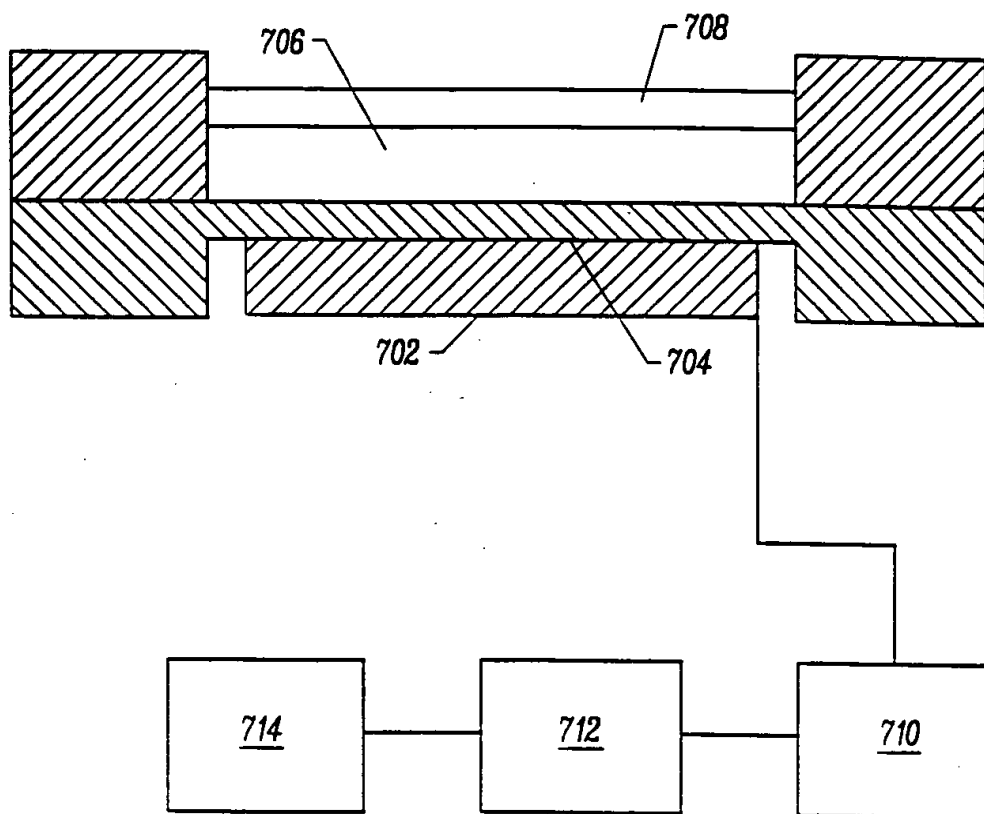


FIG. 7A

Flow Visualization

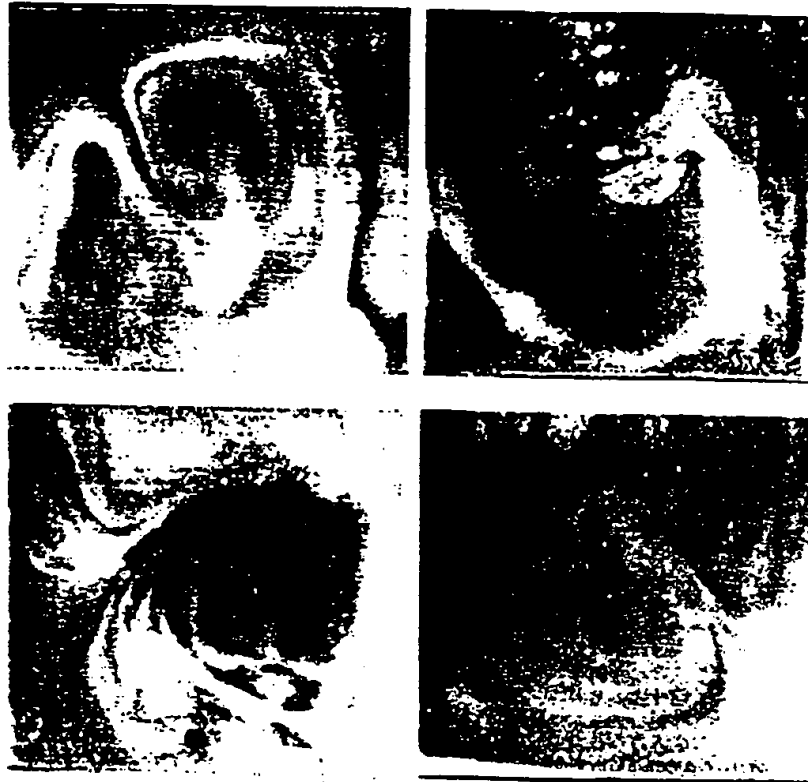
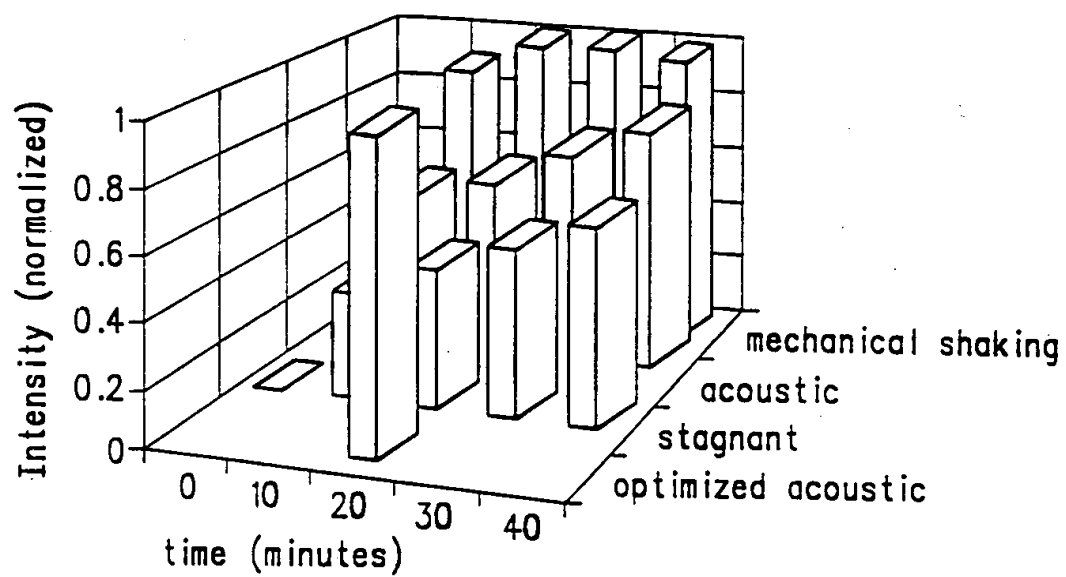


FIG. 7B

09751558-050401



Checkerboard Oligo Test Pattern

FIG. 7C

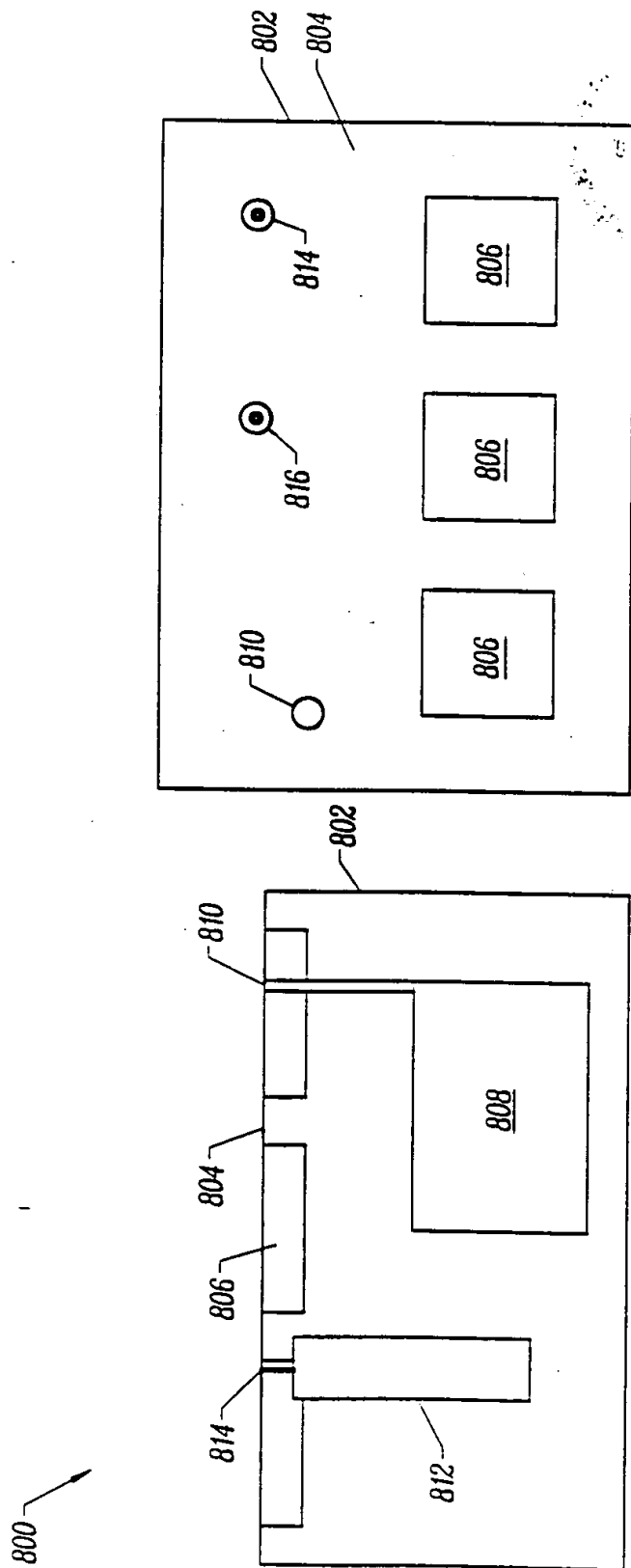


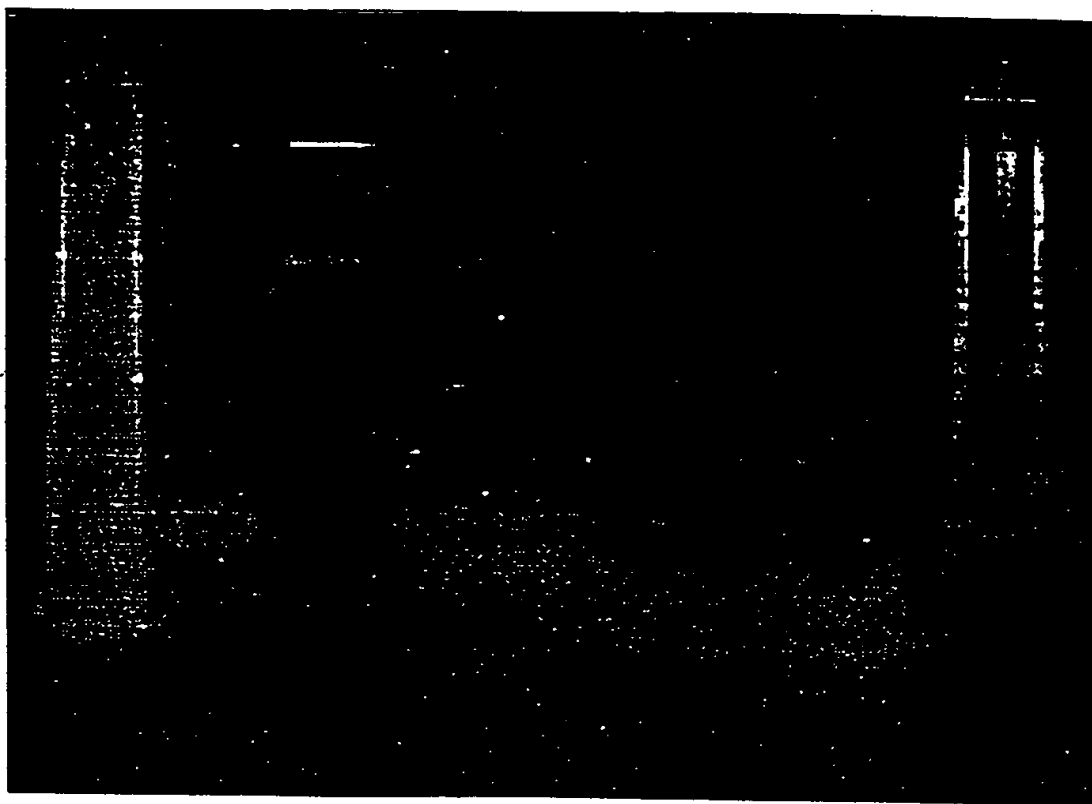
FIG. 8

100

FIG. 9

Effect of Fragmentation Time at 94C

t = 0 5 10 30 60 120 minutes



Correct Call Rates:

74%	95.8%	95.9%
95.9%	95.5%	83%

FIG. 10A

Standard

Tube Based

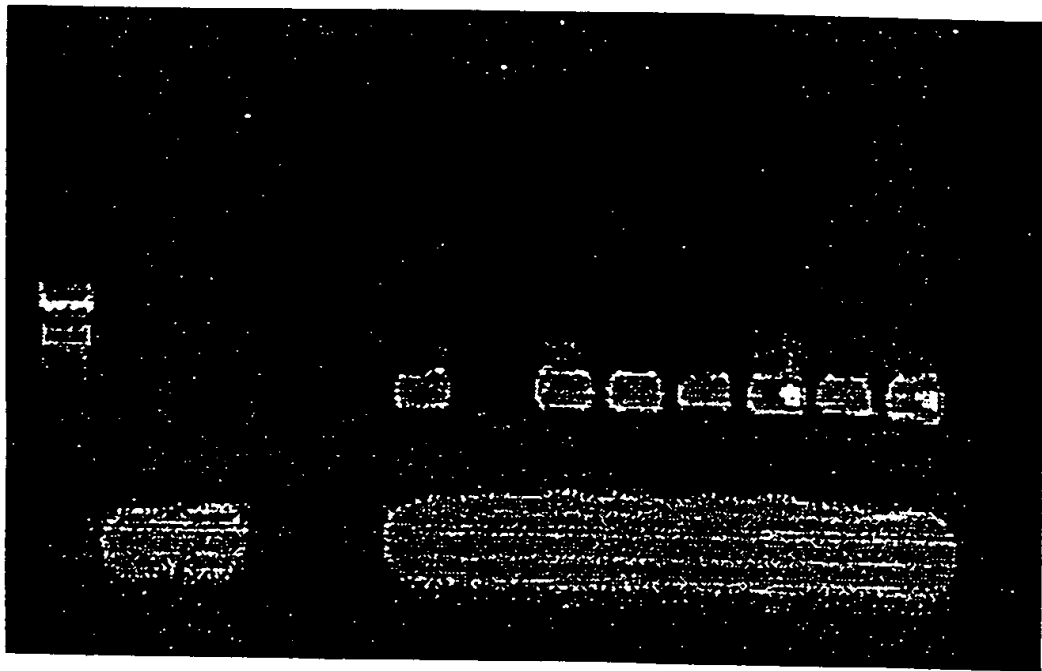


FIG. 10B

PCR Results

- PCR:
amplification: 10^9 (35 cycles)

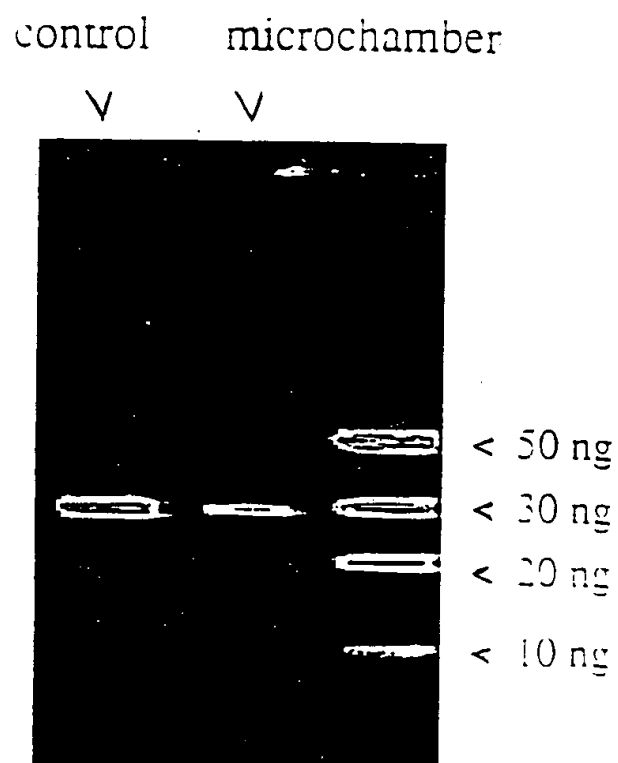


FIG. 10C

1100

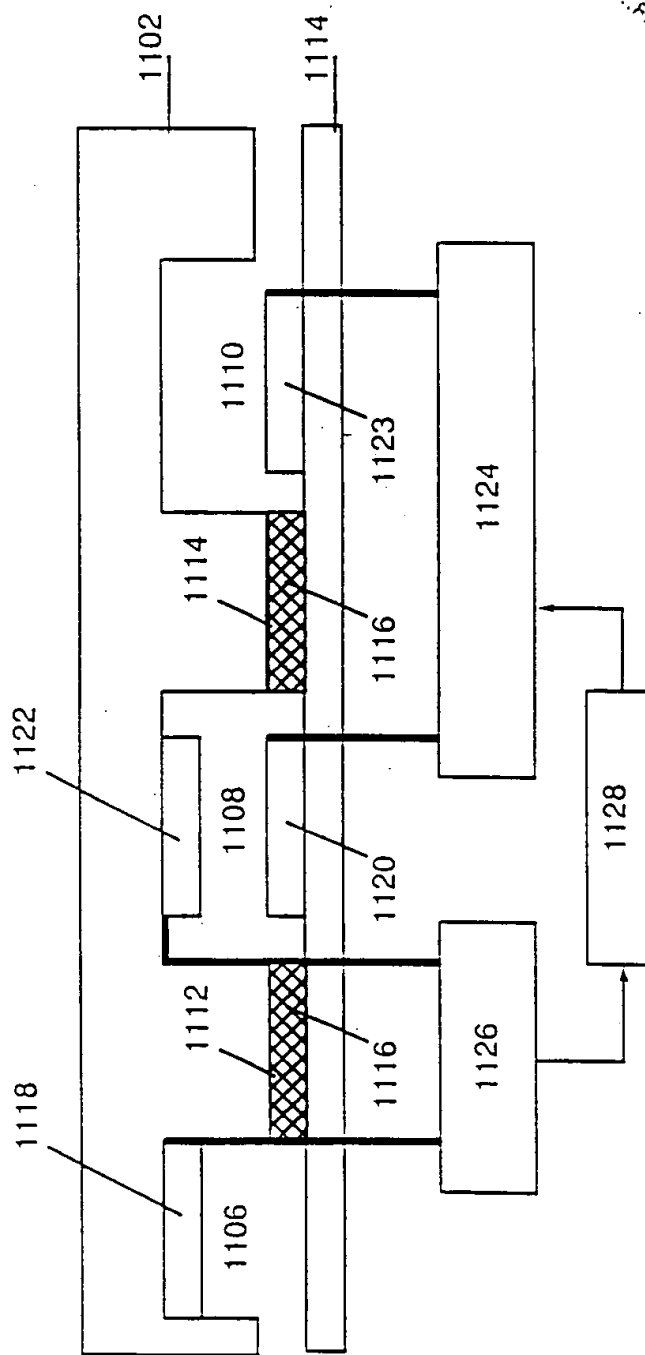


Figure 11

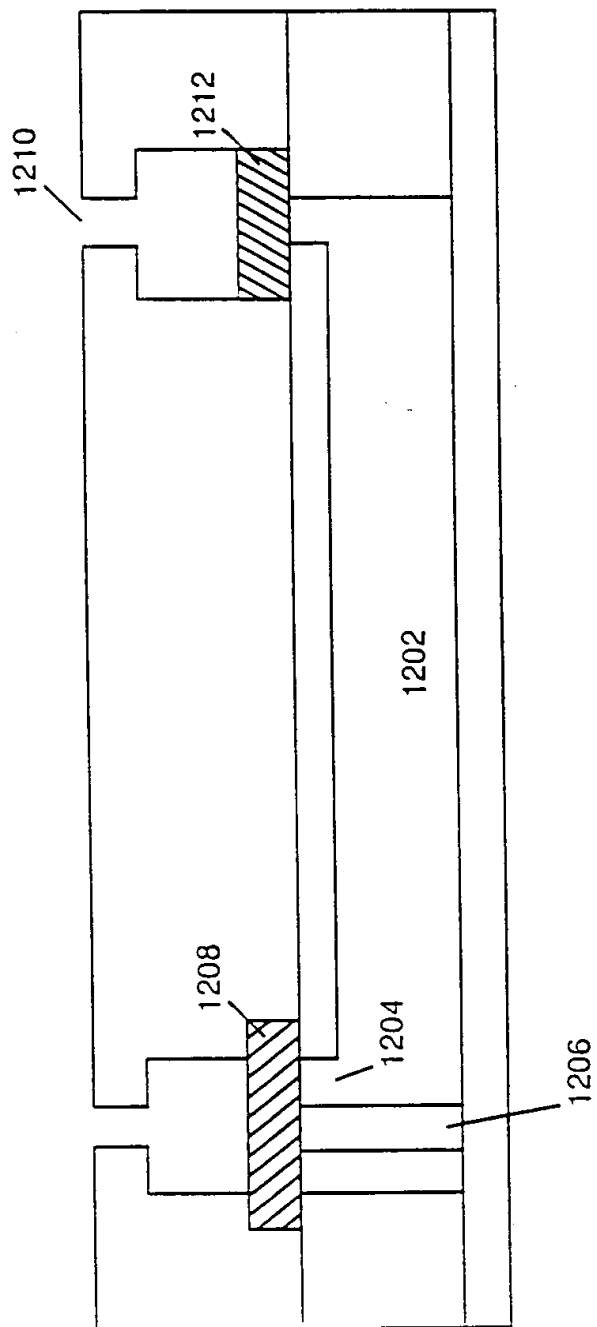


Figure 12a

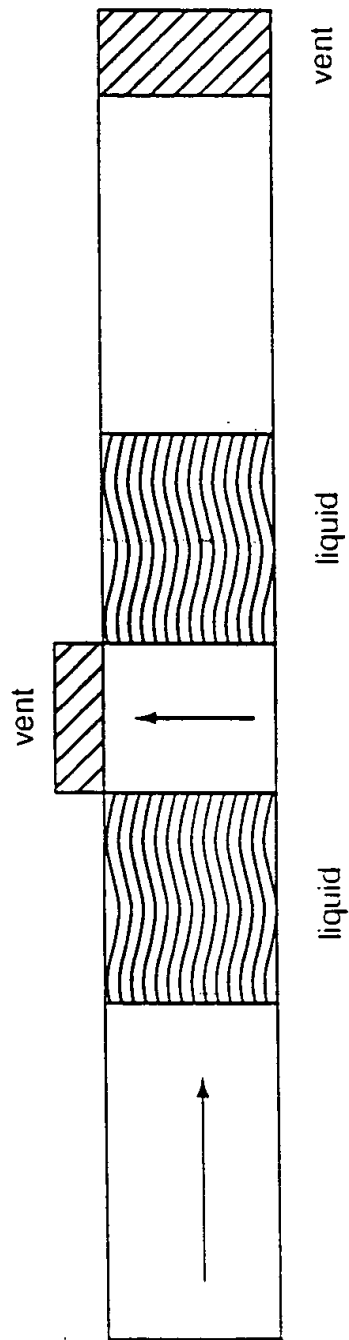


Figure 12b



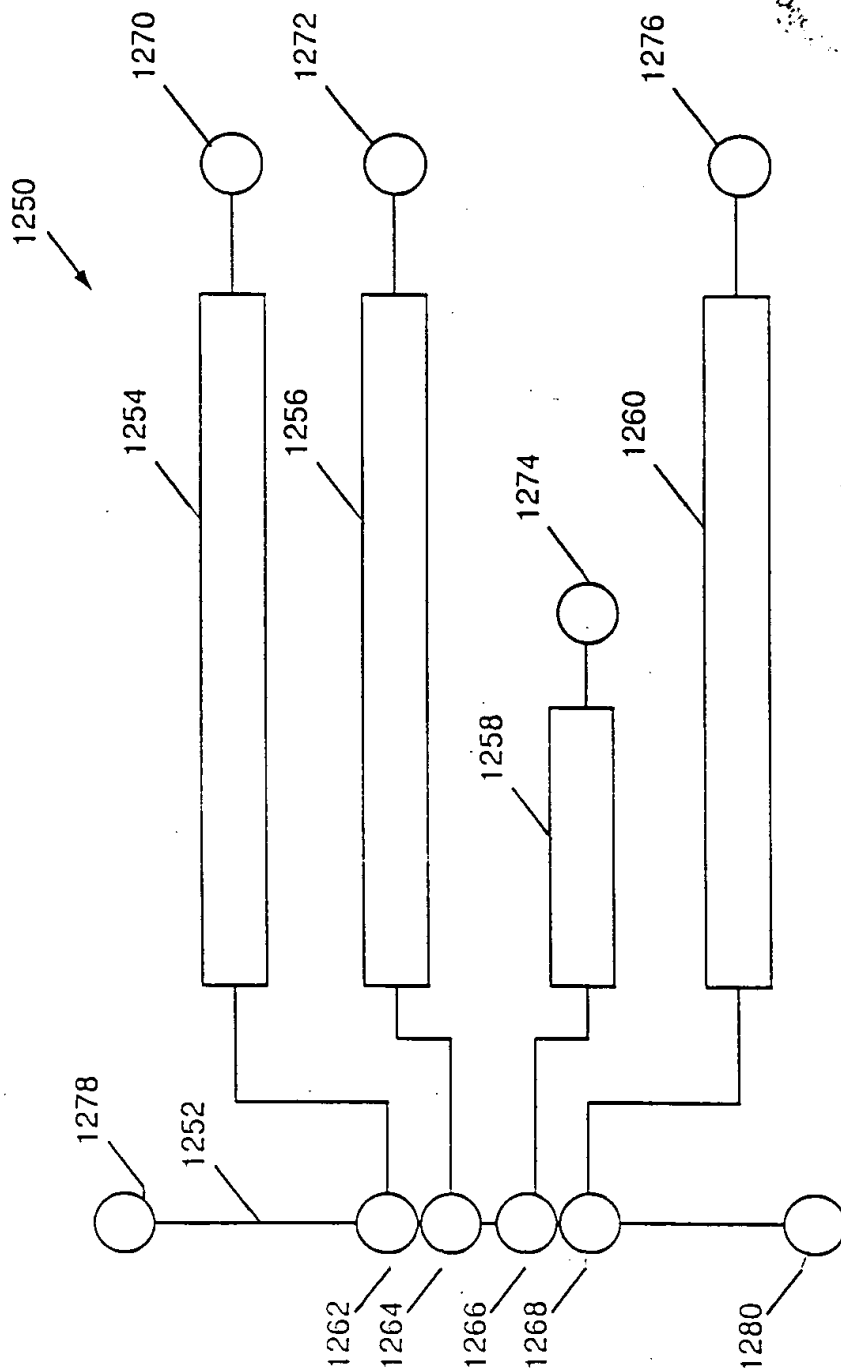


Figure 12c

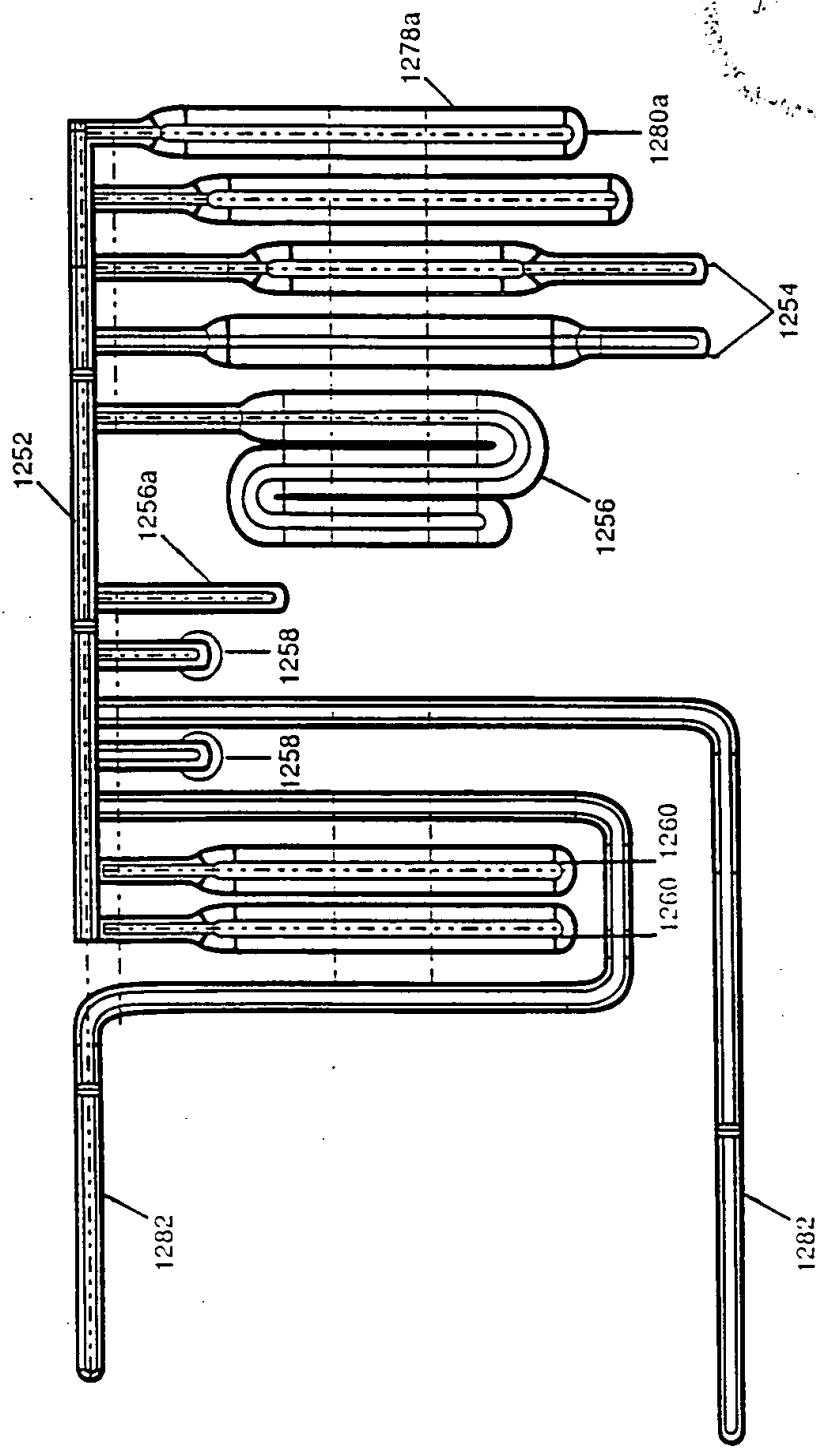


Figure 12d

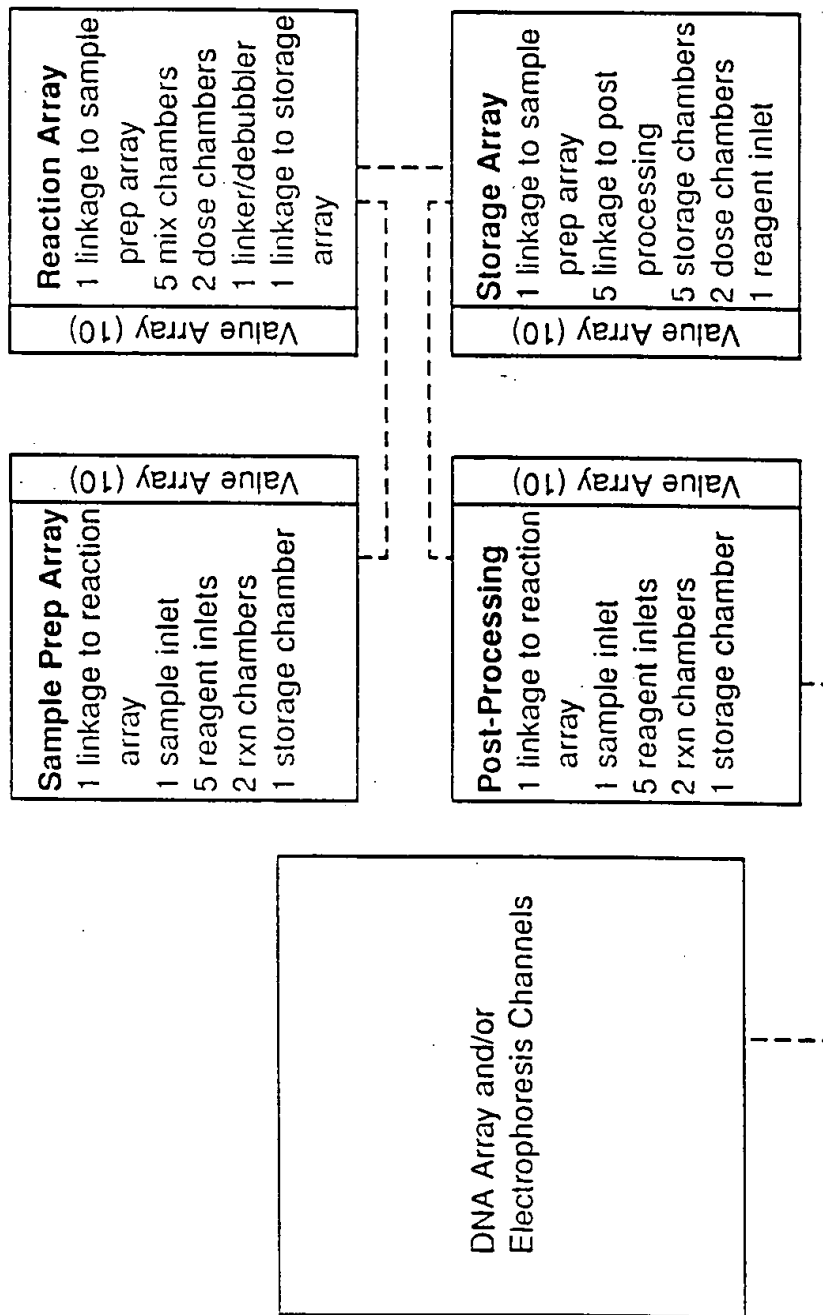


Figure 13

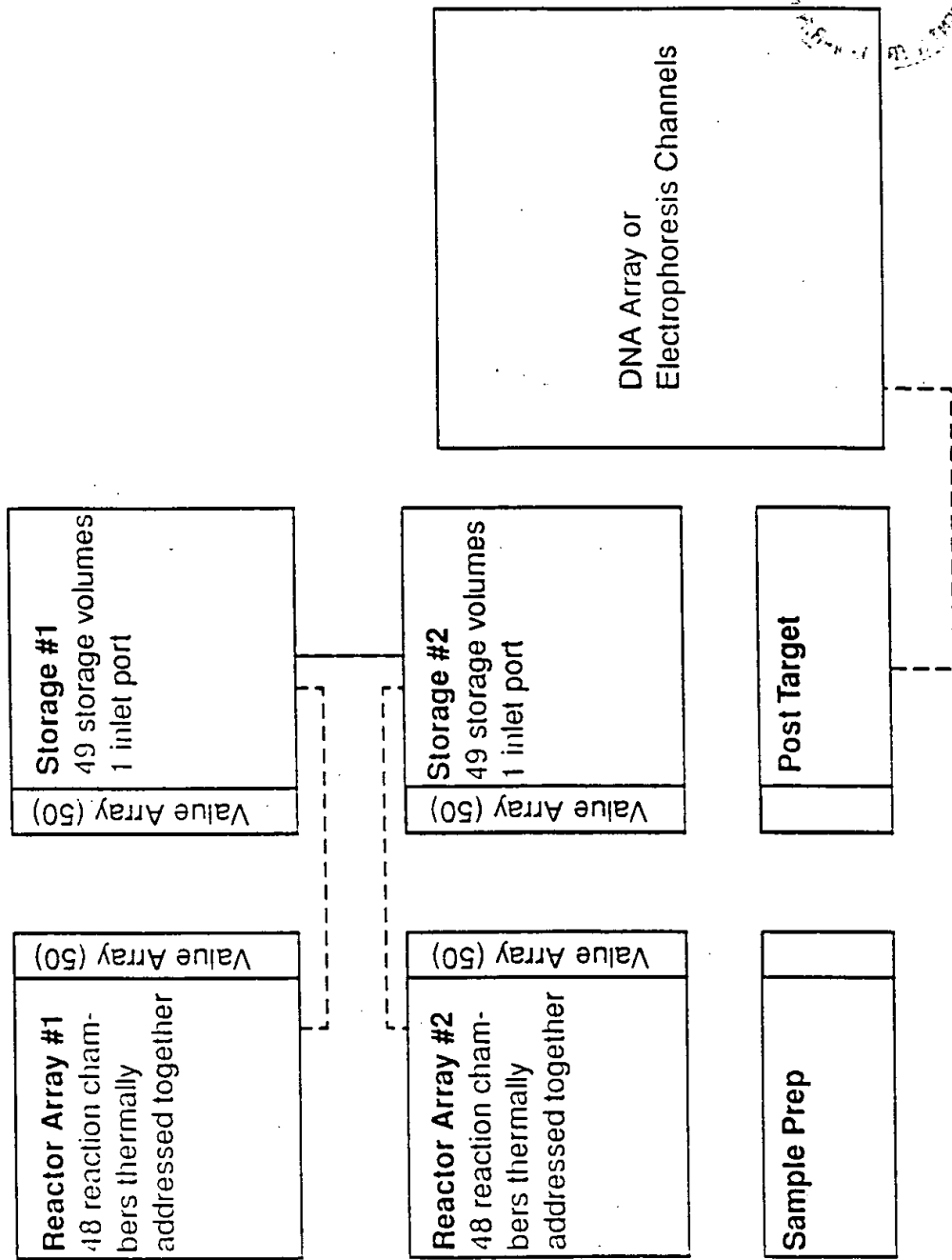


Figure 14

Thermal Configuration

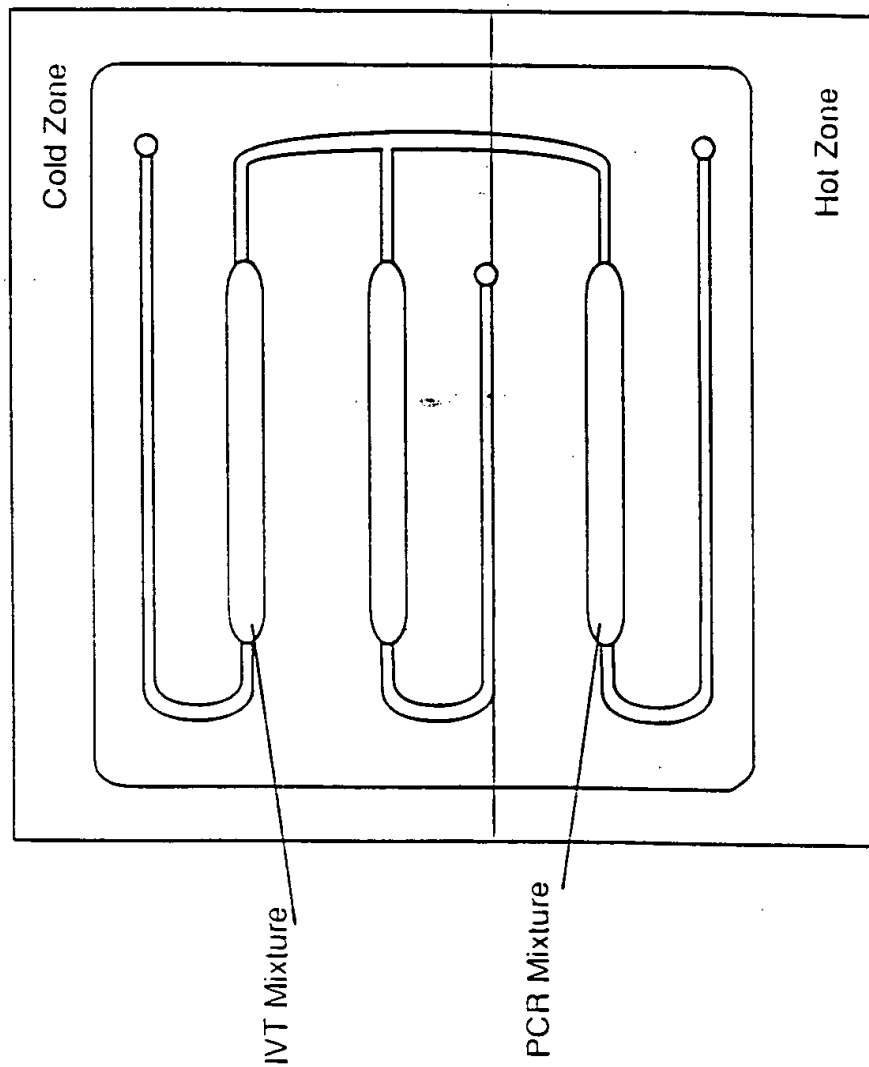
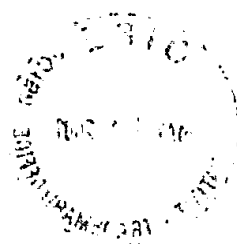
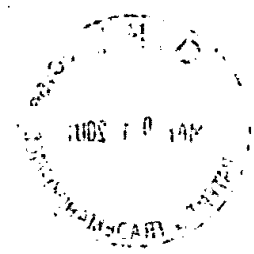


Figure 15a



FOF050-89915260



PCR =>
IVT=>
Frag

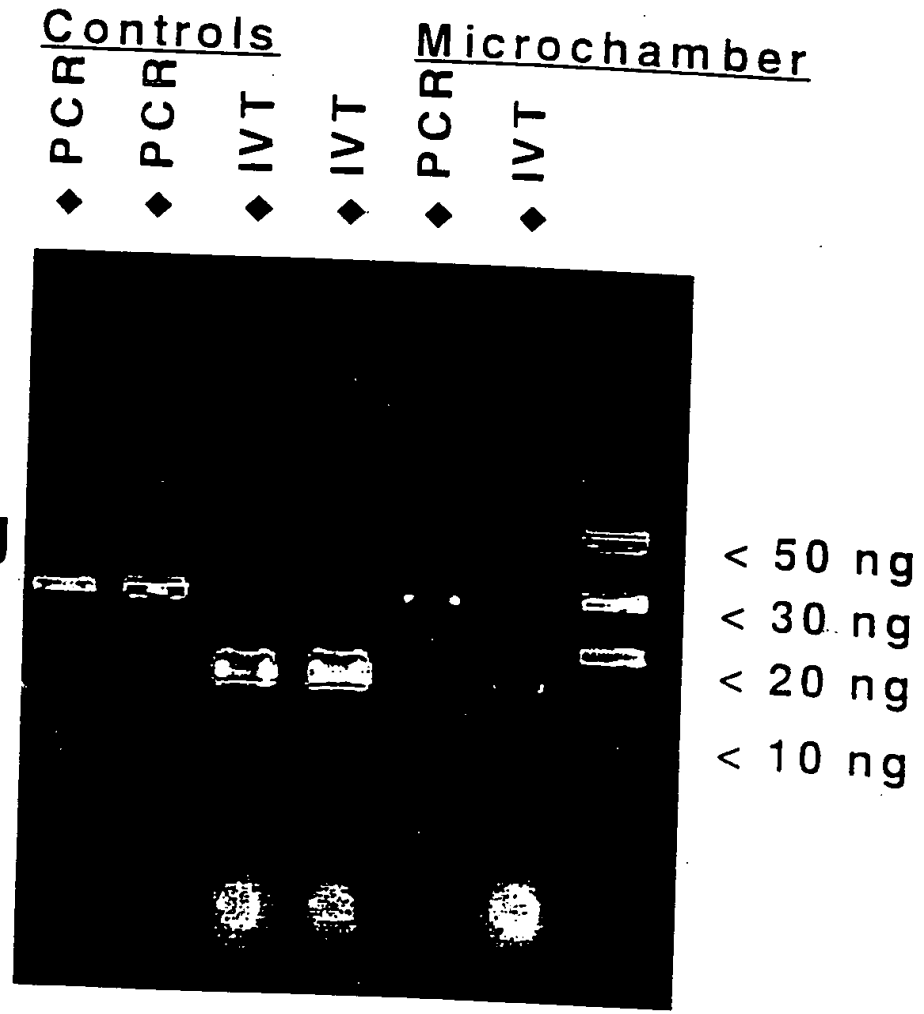


Fig. 15B